

browsers are able to cache the file, and cleaner, since the page is not cluttered with generic functions.

3.4 Events

3.4.1 Event wiring

5 Tap-and-talk multimodality can be enabled by coordinating the activation of grammars with the onMouseDown event. The wiring script to do this will be generated by the Page based on the relationship between controls (as specified in the ControlsToSpeechEnable property of the QA control in).

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For example, given an asp:TextBox and its companion QA control adding a grammar, the <input> and <reco> elements are output by each control's Render method. The wiring mechanism to add the grammar activation command is performed by client-side script generated by the Page, which changes the attribute of the primary control to add the activation command before any existing handler for the activation event:

```
20      <!-- Control output -->
      <input id="TextBox1" type="text" .../>
      <reco id="Reco1" ... />
        <grammar src="..." />
      </reco>

25      <!-- Page output -->
      <script>
        TextBox1.onMouseDown =
        "Reco1.Start();" + TextBox1.onMouseDown;
      </script>
```

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By default, hook up is via onMousedown and onMouseup events, but both StartEvent and StopEvent can be set by web page author.